



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

**South Florida Rolling Door, Inc.
8900 NW 119 Street
Hialeah, FL 33018**

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Steel Roll-up Door up to 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. 11-231, titled "16'-0" Max. 0.031" Slat Roll-Up Door", sheets 1 through 3 (including 1A) of 3, dated 12/08/2011, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

LIMITATION: Bottom end locks must be installed when door is not motorized.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 08-0820.08 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
05/15/2012

NOA No. 12-0208.12
Expiration Date: October 16, 2013
Approval Date: May 24, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **11-231**, titled "16'-0" Max. 0.031" Slat Roll-Up Door", sheets 1 through 3 (including 1A) of 3, dated 12/08/2011, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS "Submitted under NOA # 09-0928.05"

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Forced Entry Test, per SFBC 3603.2,
Along with marked-up drawings and installation diagram of Flat Slat Rolling Doors, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2221**, dated 12/11/2008, signed and sealed by Candido F. Font, P.E.

"Submitted under NOA # 03-0722.04"

2. Test report on Uniform Static Air Pressure per PA 202, Large Missile Impact Test per PA 201 and Cyclic Wind Pressure Test per PA 203 of "22 GA. ROLL- UP DOORS", prepared by Hurricane Test Laboratory, Inc., Test Report No. **0204-0520-01**, dated 05/31-06/14/2001, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS "Submitted under NOA # 07-0626.01"

1. Calculations prepared by Tilteco Inc. sheets 1 through 6 of 16'0" Max 0.031" Slat Roll-Up Door, signed and sealed by Water A. Tillit, Jr., P.E. on 09/30/2005.

"Submitted under NOA # 03-0722.04"

2. Calculations prepared by Tillit Testing & Engineering Company, sheets 1 to 26 for "16' Roll-Up Door", signed and sealed by Walter A. Tillit, P.E. on 06/25/2001.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS "Submitted under NOA # 03-0722.04"

1. Test Report on Tensile Test per ASTM E-8, prepared by Q. C. Metallurgical, Job # **0204-0520-01**, dated 07/06/2001, signed and sealed by R. Kelly.
2. Report of Test and Analysis prepared by Bethlehem Steel Corporation, dated 06/28/2000 and signed by C. R. Richard.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC, dated 01/16/2012, signed and sealed by Walter A. Tillit, Jr., P.E.
2. No financial interest letter issued by Tilteco, Inc., on 09/25/2008, signed and sealed by Walter A. Tillit, Jr., P.E.

 05/15/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0208.12

Expiration Date: October 16, 2013
Approval Date: May 24, 2012

GENERAL NOTES:

1- ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2007 & 2010 EDITIONS OF THE FLORIDA BUILDING CODE.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODES, USING ASCE 7-05 STANDARD FOR INSTALLATIONS UNDER 2007 FCB & ASCE 7-10 FOR INSTALLATIONS UNDER 2010 FCB AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 1.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINATED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 1.

ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER HTL REPORT # 0204-0520-01, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.

MAX. A.S.D. DESIGN PRESSURE RATING: +60.0, -60.0 PSF

2- SLAT TO BE A.S.T.M. A-653 GR 50 STRUCTURAL QUALITY STEEL WITH A MINIMUM $F_y=50.0$ KSI AND G-90 GALVANIZING PER A.S.T.M. A-653, OR A.I.S.I. 304 SERIES STAINLESS STEEL MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF $F_y=50.0$ KSI.

3- ALL STEEL ANGLES AND CHANNELS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.

4- ALL ASSEMBLY BOLTS TO BE S.A.E. GRADE 2 CADMIUM PLATED OR GALVANIZED STEEL.

5- STEEL WINDBARS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED PRIOR TO INSTALLATION.

6- WINDLOCKS TO BE CAST IRON AS PER A.S.T.M. A47 GRADE 32510 WITH A MINIMUM TENSILE STRENGTH OF 50000 PSI, AND A MINIMUM YIELD STRENGTH OF 32500 PSI.

7- HOOD TO BE 24 GA. A.S.T.M. A-653 DESIGNATION G-90 FINISH TYPE COATING.

8- ALL RIVETS TO BE A.I.S.I. 1006 STEEL, CADMIUM PLATED, STAINLESS STEEL OR ZINC PLATED, WITH $F_y=37,000$ psi.

9- CONCRETE ANCHORS TO BE AS MANUFACTURED BY HILTI, INC AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

10- ALL WELDING TO CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 REGULATIONS. USE A.W.S A5.1 OR A5.5 E60XX ELECTRODES WITH MIN. 3/16" FILLET SIZE.

11- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY DYPLAST PRODUCTS LLC W/ MIAMI DADE COUNTY PRODUCT APPROVAL.

12- THIS DOOR MAY BE INSTALLED WITH SLATS CONCAVE SIDE FACING OUTSIDE OR INSIDE OF BUILDING.

13- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT V_x AND V_y FORCES AT BOTH JAMBS.
SEE SHEET 3 OF 3, TABLE 1 FOR V_x & V_y VALUES.

14- ROLL-UP MECHANISM NOT PART OF THIS APPROVAL.


15- (A) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

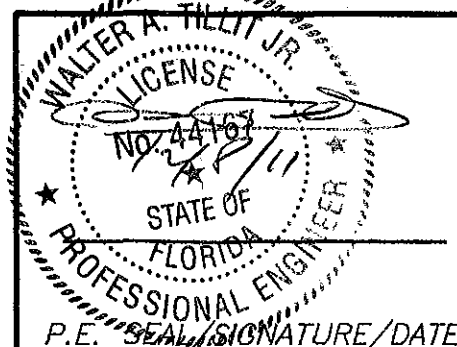
(B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(C) THIS P.A.D. WILL BE CONSIDERED INVALID IF MODIFIED.

(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D.

(E) THIS P.A.D. SHALL COMPLY WITH SECTION 2: 61G15 OF THE FLORIDA ADMINISTRATIVE CODE.

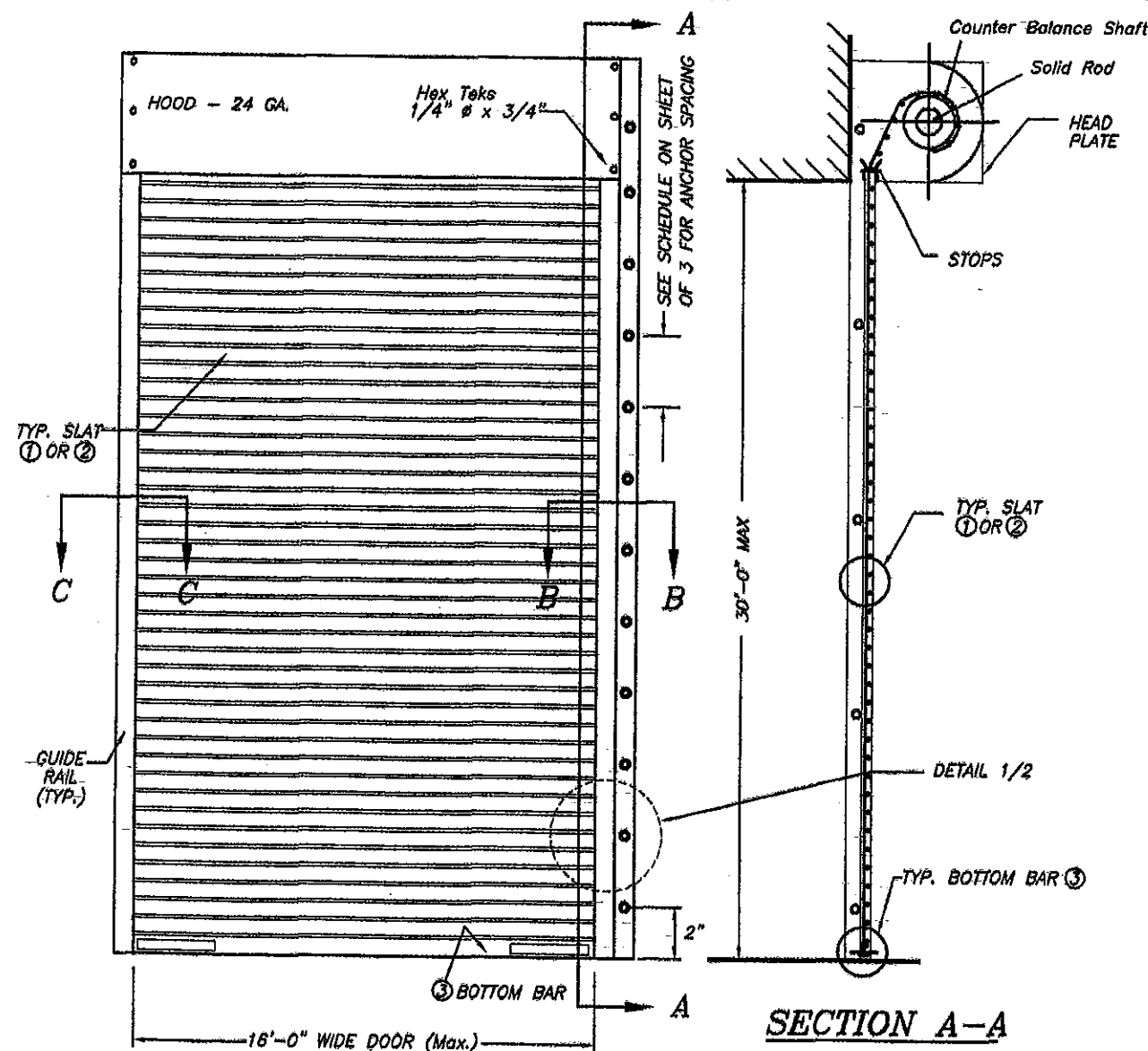
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0208-12
Expiration Date 12/16/2013
By 
Miami Dade Product Control



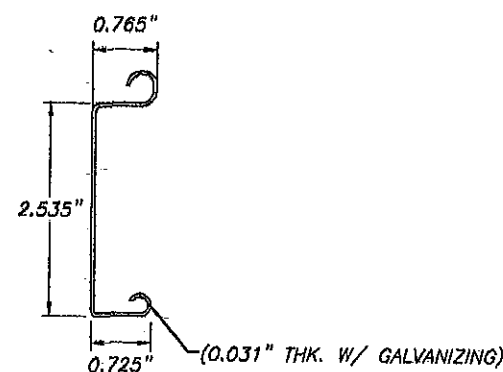
Florida Building Code (High Velocity Hurricane Zone)

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 871-1830, Fax: (305) 871-1831
EB-0006719
WALTER A. TILLIT JR. P. E.
FLORIDA Lic. # 44167

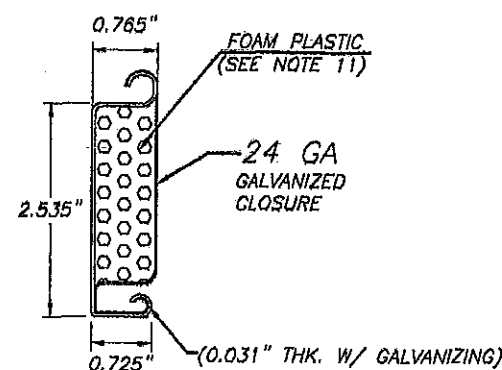
16'-0" Max. 0.031" SLAT ROLL-UP DOOR						1A/A.G. DRAWN BY:
SOUTH FLORIDA ROLLING DOOR, INC.						12/08/11 DATE
8800 N.W. 119th STREET HIALEAH GARDENS, FLORIDA 33018 PHONE: (305) 362-9477, FAX: (305) 362-9417						11-231 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE	SHEET 1 OF 3
1	OLD 07-162	12/08/11	2			
2			2			



TYPICAL DOOR ELEVATION
N.T.S.

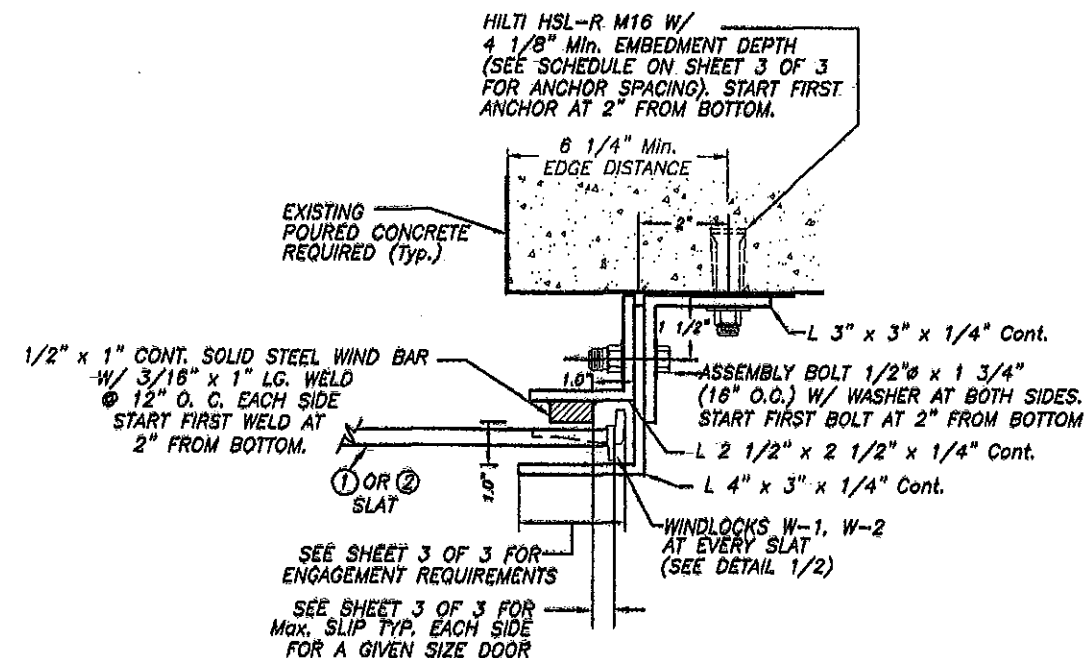


① **FLAT SLAT**

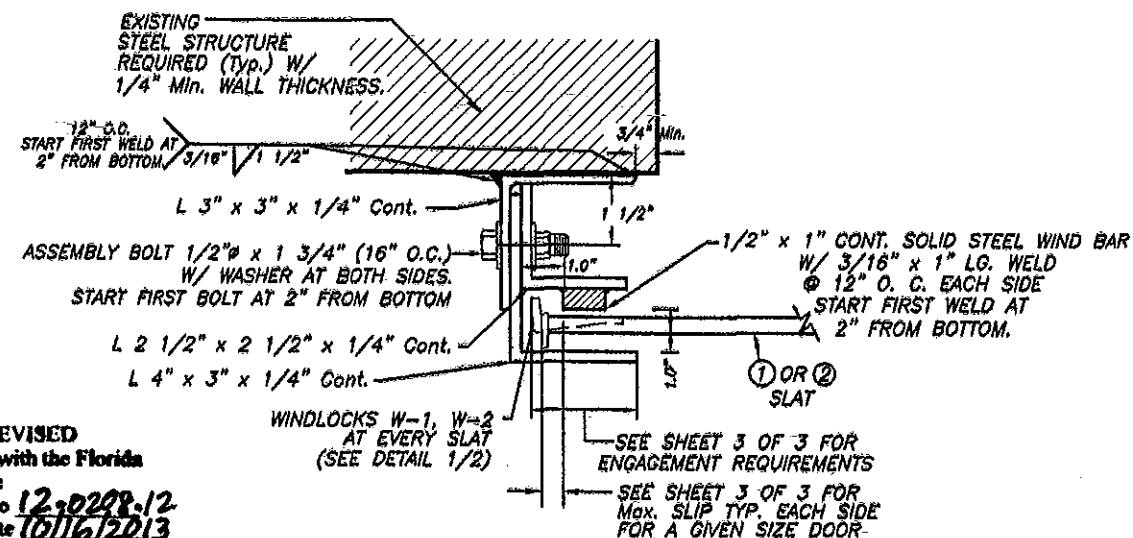


② **INSULATED FLAT SLAT**

SCALE: 1/2"=1"

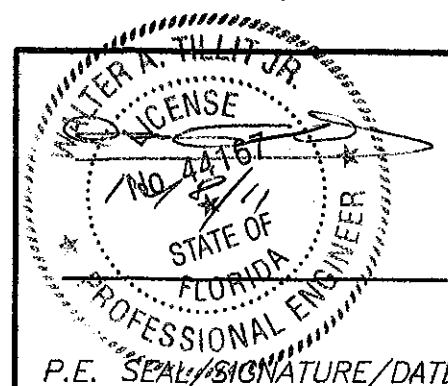


SECTIONS B-B
SCALE: 1/4"=1"



SECTIONS C-C
SCALE: 1/4"=1"

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By *[Signature]*
Miami Trade Product Control



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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone: (305) 871-1830, Fax: (305) 871-1831
EB-0006719
WALTER A. TILLIT Jr. P. E.
FLORIDA Lic. # 44167

16'-0" Max. 0.031" SLAT ROLL-UP DOOR

SOUTH FLORIDA ROLLING DOOR, INC.

8900 N.W. 119th STREET
HALEAH GARDENS, FLORIDA 33018
PHONE: (305) 362-9477, FAX: (305) 362-9417

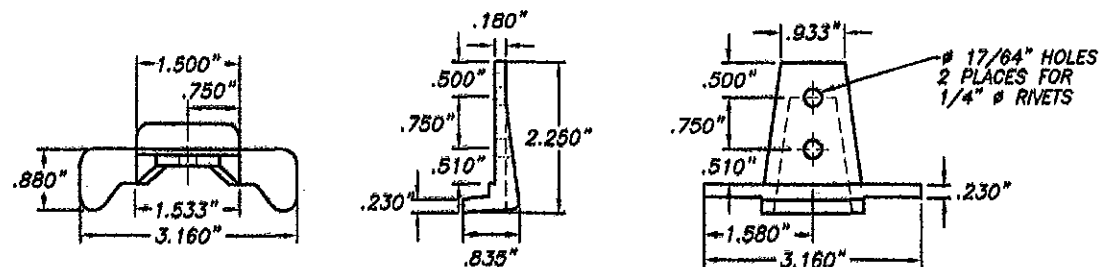
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
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I/A/G.
DRAWN BY:

12/08/11
DATE

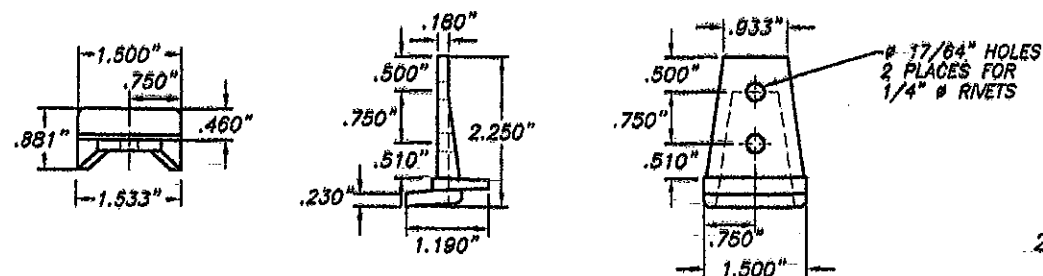
11-231
DRAWING No

SHEET 1A OF 3



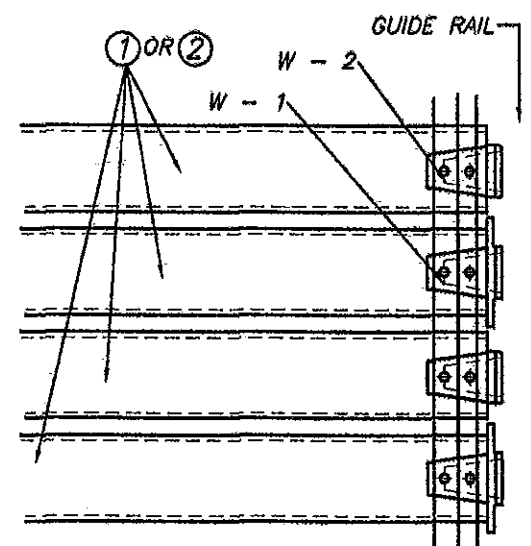
TYPICAL WINDLOCK W-1 DETAIL

SCALE : 3/8" = 1"



TYPICAL WINDLOCKS W - 2 DETAIL

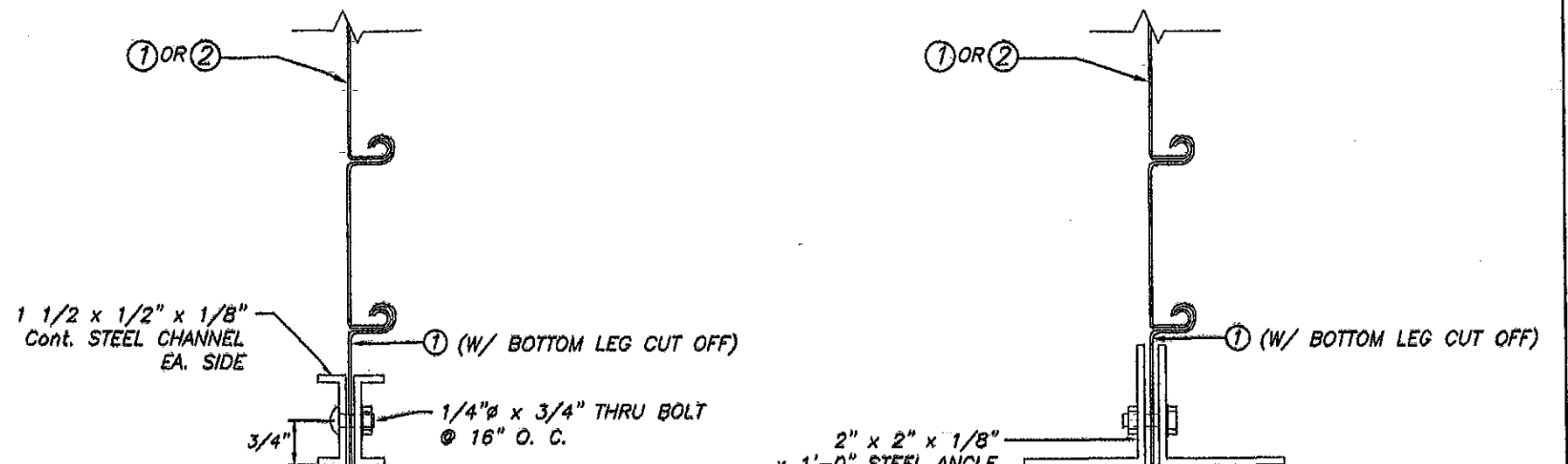
SCALE : 3/8" = 1"



(ELEVATION)

DETAIL 1

SCALE : 3/16" = 1"



SECTION XI

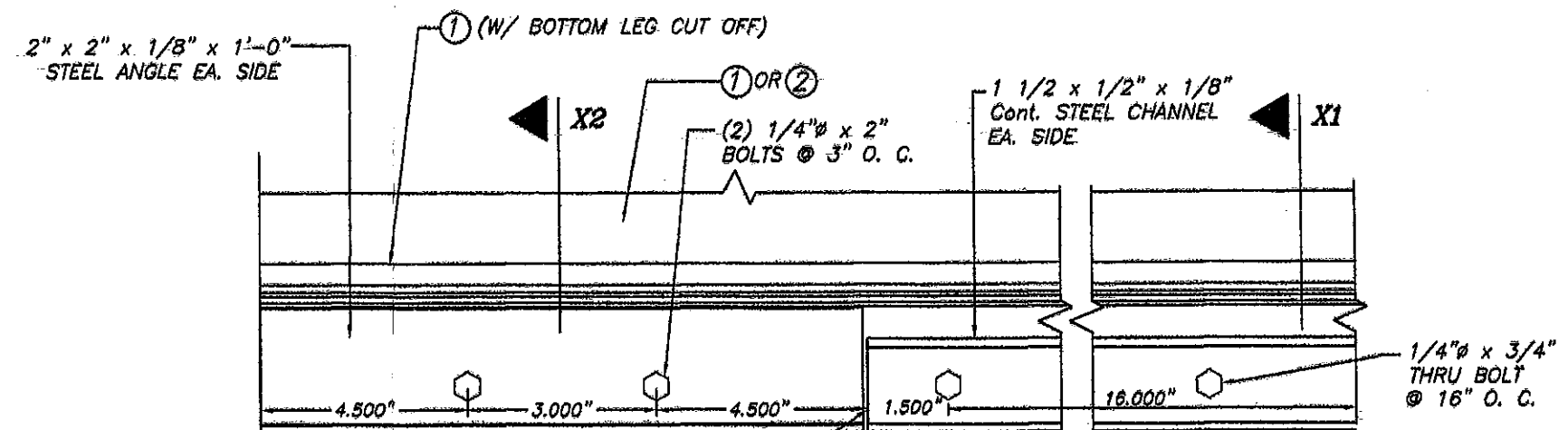
③ BOTTOM BAR DETAIL

SCALE : 3/8" = 1"

SECTION X2

BOTTOM ANGLE DETAIL

SCALE : 3/8" = 1"

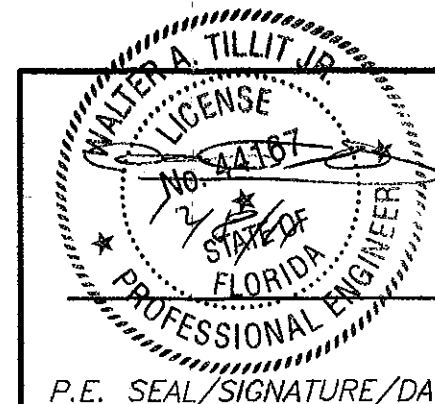


ELEVATION

BOTTOM BAR ③ W/ BRACKET

SCALE : 3/8" = 1"

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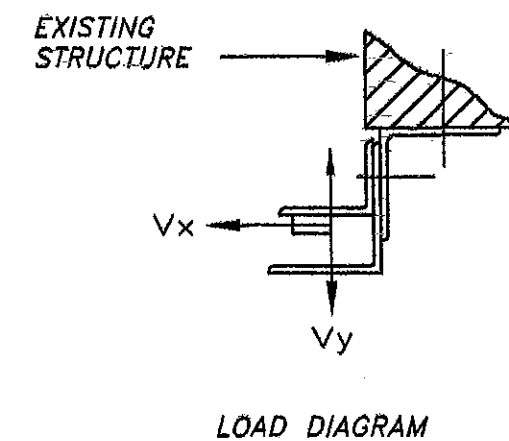
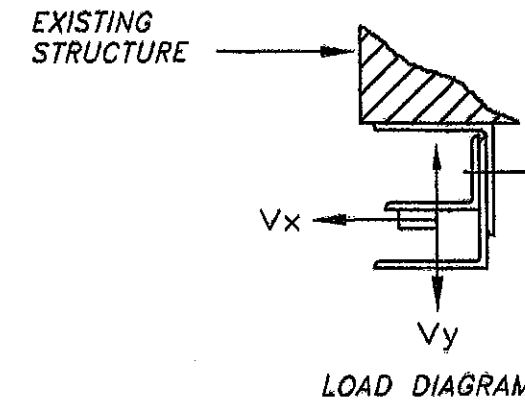
Florida Building Code (High Velocity Hurricane Zone)

TILECO inc.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone: (305) 871-1330 Fax: (305) 871-1331
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WALTER A. TILLIT Jr. P. E.
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16'-0" Max. 0.031" SLAT ROLL-UP DOOR			I.A./A.G. DRAWN BY:		
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8900 N.W. 119th STREET HIALEAH GARDENS, FLORIDA 33018 PHONE: (305) 382-9477 FAX: (305) 382-9417			11-231 DRAWING No		
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 07-182	12/08/11	3		
2			4		
			SHEET 2 OF 3		

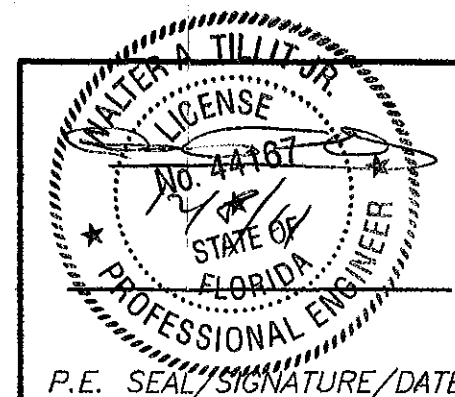
Vx & Vy REACTIONS & ANCHOR SCHEDULE

MAXIMUM A.S.D. DESIGN PRESSURE RATING (PSF)	DOOR WIDTH (Ft)	SLIP (In)	Vx (Lb/Ft)	Vy (Lb/Ft)	ANCHOR SPACING *		REQUIRED ENGAGEMENT (In)
					FOR Min. f'c = 3000 psi CONCRETE	FOR Min. f'c = 4000 psi CONCRETE	
+50.0, -50.0	10'-0"	1/8"	1229	250	12" O.C.	12" O.C.	2 1/16"
	12'-0"	1/4"	1379	300	10 1/2" O.C.	12" O.C.	2 3/16"
	14'-0"	7/16"	1467	350	9 1/2" O.C.	11" O.C.	2 3/8"
	16'-0"	11/16"	1537	400	9" O.C.	10 1/2" O.C.	2 5/8"
+60.0, -60.0	10'-0"	1/8"	1677	300	9" O.C.	10 1/2" O.C.	2 1/16"
	12'-0"	1/4"	1795	360	8 1/2" O.C.	9 1/2" O.C.	2 3/16"
	14'-0"	7/16"	1864	420	7 1/2" O.C.	9" O.C.	2 3/8"
	16'-0"	11/16"	1923	480	7" O.C.	8 1/2" O.C.	2 5/8"



* HILTI HSL-R M16 W/ 4 1/8" MINIMUM EMBEDMENT DEPTH & 6 1/4" Min. EDGE DISTANCE.

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8900 N.W. 119th STREET
HIALEAH GARDENS, FLORIDA 33018
PHONE: (305) 362-9477 FAX: (305) 362-9417

I.A./A.G.
DRAWN BY:
12/08/11
DATE
11-231
DRAWING No
SHEET 3 OF 3

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 07-162	12/08/11	2		
2			4		